

# Work Order ID 121878

Thursday, July 03, 2014 7:40:16 AM

**\*121878\***

Page 1

Item ID: D350-602-011

Accept

**\*N900040100\***

Setup Start **\*NS1\***

Revision ID:

Stop **\*NS2\***

Item Name: Heli-Utility-Pod™ (Fits LH or RH)

Start Date: 8/22/2014 Start Qty: 1.00 **\*1\***

Cust Item ID:

Required Date: 8/22/2014 Req'd Qty: 1.00 **\*1\***

Customer:

Reference:

Approvals: Process Plan: CL Date: 14/07/02 Tooling: \_\_\_\_\_ Date: \_\_\_\_\_  
QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Run Start **\*NR1\***  
Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
DSI 9515	B

100	Document Control	0.00							DAS 38 9-89
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**\*100\***

DC

Memo

Doc.Control -USB or Paperwork

Photocopy bluefile & type labels per PPP D350-602-011 CHG006

110	Pick Kit	0.00							
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**\*110\***

Packaging

Memo

Packaging

DAS  
38  
9-89

NOV 05 2014

120	QC4- 100% Inspect kits for completeness	0.00							
-----	---	------	--	--	--	--	--	--	--

**\*120\***

QC

Memo

Quality Control

0.00

DAS  
38  
9-89

14-11-6

**Work Order ID 121878**

Thursday, July 03, 2014 7:40:16 AM

**\*121878\***

Page 2

Item ID: D350-602-011

Accept

**\*N900040100\***

Setup Start

**\*NS1\***

Revision ID:

Stop

**\*NS2\***

Item Name: Heli-Utility-Pod™ (Fits LH or RH)

Start Date: 8/22/2014 Start Qty: 1.00

**\*1\***

Cust Item ID:

Required Date: 8/22/2014 Req'd Qty: 1.00

**\*1\***

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start

**\*NR1\***

QC:

Date:

SPC (Y/N):

Date:

Stop

**\*NR2\***Sequence ID/  
Work Center IDOperation  
DescriptionSet Up/  
Run Hours

Tool ID

Tool #

Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

130

0.00

**\*130\***

Packaging

Packaging

Memo

0.00

Identify and pack for shipping as per PPPD350-602-011

Location: 093

PPP Rev: \_\_\_\_\_

DAS  
05  
1-89

NOV 05 2014

DAS  
46  
9-89

140

0.00

**\*140\***

QC

Quality Control

QC21- Final Inspection - Work Order Release

Memo

0.00

14/11/05

MC  
14-11-05

# Picklist Print

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Page 1

Work Order ID: 121878

**\*121878\***

Parent Item: D350-602-011

**\*D350-602-011\***

Parent Item Name: Heli-Utility-Pod™ (Fits LH or RH)

Start Date: 8/22/2014

Required Date: 8/22/2014

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP Rev:F Removed Travellers 06-04-06 JLM  
IPP Rev:G Added D3495-1 06-05-17 JLM  
AS PER ECN10-558 10-04-27 JLM VERIFIED BY:DD

IPP REV:H

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D2324 <b>*D2324*</b> Strut Assy	DAS 38 9-89	Manufactured	No			110	Each	17.0000	1	1			DAS 05 9-89
<div> <div>Location</div> <div>Loc Qty</div> <div>Loc Code</div> </div>													
ST255 17													
100928 1													
105350 9													
110752 2													
112412 3													
115057 2													
D2694 <b>*D2694*</b> Pod, 350/407	DAS 38 9-89	Manufactured	No			110	Each	0.0000	1	1			DAS 05 9-89
D4091-1 <b>*D4091-1*</b> Mounting Lug	DAS 38 9-89	Manufactured	No			110	Each	70.0000	4	4			DAS 05 9-89
<div> <div>Location</div> <div>Loc Qty</div> <div>Loc Code</div> </div>													
ST142 12													
113654 12													
ST144 6													
112325 6													
ST146A 32													
114440 32													
st529 20													
120230 20													

NOV 05 2014

DQA: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order update only ☐

Work Order: _____  Part No. _____  NCR No. _____	<b>DISPOSITION</b>  Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>	<b>AGAINST DEPARTMENT/PROCESS</b>  <table style="width: 100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>															
Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

### FAULT CATEGORY

<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function	<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence	<input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge  <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other
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# Picklist Print

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Page 2

Work Order ID: 121878

**\*121878\***

Parent Item: D350-602-011

**\*D350-602-011\***

Parent Item Name: Heli-Utility-Pod™ (Fits LH or RH)

Start Date: 8/22/2014

Required Date: 8/22/2014

Start Qty: 1.00

Required Qty: 1.00

D3910-3

Manufactured No

110

Each

130.0000

4 4

**\*D3910-3\***

DAS

38

X-Tube Lug

9-89

\*\*

DAS

38

9-89

Location

Loc Qty

Loc Code

ST

2

117367

2

ST164

8

96229

8

ST463

66

110324

66

ST464

22

106273

10

111622

12

ST465

32

114442

32

D2258-160

Manufactured No

110

Each

15.0000

1 1

**\*D2258-160\***

DAS

38

Placard

9-89

\*\*

DAS

38

9-89

Location

Loc Qty

Loc Code

ST005

15

110345

10

62072

1

84437

4

D2523

Manufactured No

110

Each

6.0000

2 2

**\*D2523\***

DAS

38

Mounting Bracket

9-89

\*\*

DAS

38

9-89

Location

Loc Qty

Loc Code

ST166

6

102475

2

105348

3

84863

1

NOV 05 2014

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Shop Packet Print

Page 2

DQA: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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Work Order: _____  Part No. _____  NCR No. _____	<b>DISPOSITION</b>  Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>	<b>AGAINST DEPARTMENT/PROCESS</b>  <table style="width: 100%;"> <tr> <td style="width: 33%;">           Skid-tube <input type="checkbox"/>            Machining <input type="checkbox"/>            Thermoforming <input type="checkbox"/>            Large Fab <input type="checkbox"/> </td> <td style="width: 33%;">           Crosstube <input type="checkbox"/>            Small Fab <input type="checkbox"/>            Finishing <input type="checkbox"/>            Composite <input type="checkbox"/> </td> <td style="width: 33%;">           Water Jet <input type="checkbox"/>            Prod. Eng. Coord. <input type="checkbox"/>            Rec/Store/Packaging <input type="checkbox"/>            Supplier <input type="checkbox"/> </td> <td style="width: 33%;">           Engineering <input type="checkbox"/>            Quality <input type="checkbox"/>            Other <input type="checkbox"/> </td> </tr> </table>	Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/>	Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/>	Water Jet <input type="checkbox"/> Prod. Eng. Coord. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/>	Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other <input type="checkbox"/>
Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/>	Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/>	Water Jet <input type="checkbox"/> Prod. Eng. Coord. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/>	Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other <input type="checkbox"/>			

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

### FAULT CATEGORY

<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function	<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence	<input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge  <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other
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# Picklist Print

Thursday, July 03, 2014 7:40:15 AM

Work Order ID: 121878

Parent Item: D350-602-011

Parent Item Name: Heli-Utility-Pod™ (Fits LH or RH)

**\*121878\***

**\*D350-602-011\***

Start Date: 8/22/2014

Required Date: 8/22/2014

Start Qty: 1.00

Required Qty: 1.00

D2524

Manufactured No

110

Each

4.0000

**\*D2524\***

DAS

38

Bracket Clamping

9-89

\*\*

2 1/2

*SP*

Location

Loc Qty

Loc Code

ST479

4

102234

1

107684

3

D3495-1

Manufactured No

110

Each

4.0000

**\*D3495-1\***

DAS

38

Placard

9-89

\*\*

2 1

Location

Loc Qty

Loc Code

ST046

4

55564

4

D3984

Manufactured No

110

f

100.0000

**\*D3984\***

DAS

38

Rubber Extrusion, X-Tube, Per Foot

9-89

\*\*

2 2

123577

Location

Loc Qty

Loc Code

ST413

100

103101

2

115196

98

CUT 8 AT 3.00"

AN3-7A

Purchased No

110

Each

131.0000

**\*AN3-7A\***

DAS

38

Bolt

9-89

\*\*

4

129706

Location

Loc Qty

Loc Code

ST349

131

M126175

31

M128634

50

M129507

50

DQA: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order update only ☐

Work Order: _____  Part No. _____  NCR No. _____	<b>DISPOSITION</b>  Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>	<b>AGAINST DEPARTMENT/PROCESS</b>  <table style="width: 100%;"> <tr> <td style="width: 33%;">           Skid-tube <input type="checkbox"/>            Machining <input type="checkbox"/>            Thermoforming <input type="checkbox"/>            Large Fab <input type="checkbox"/> </td> <td style="width: 33%;">           Crosstube <input type="checkbox"/>            Small Fab <input type="checkbox"/>            Finishing <input type="checkbox"/>            Composite <input type="checkbox"/> </td> <td style="width: 33%;">           Water Jet <input type="checkbox"/>            Prod. Eng. Coord. <input type="checkbox"/>            Rec/Store/Packaging <input type="checkbox"/>            Supplier <input type="checkbox"/> </td> <td style="width: 33%;">           Engineering <input type="checkbox"/>            Quality <input type="checkbox"/>            Other <input type="checkbox"/> </td> </tr> </table>	Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/>	Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/>	Water Jet <input type="checkbox"/> Prod. Eng. Coord. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/>	Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other <input type="checkbox"/>
Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/>	Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/>	Water Jet <input type="checkbox"/> Prod. Eng. Coord. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/>	Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other <input type="checkbox"/>			

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

### FAULT CATEGORY

<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function	<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence	<input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge  <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled  <input type="checkbox"/> Other
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# Picklist Print

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Work Order ID: 121878

**\*121878\***

Parent Item: D350-602-011

**\*D350-602-011\***

Parent Item Name: Heli-Utility-Pod™ (Fits LH or RH)

Start Date: 8/22/2014

Required Date: 8/22/2014

Start Qty: 1.00

Required Qty: 1.00

AN3-15A Purchased No 110 Each 81.0000

**\*AN3-15A\***

DAS  
38  
9-89

Bolt

8 8  
\*\*

DAS  
38  
9-89

Location Loc Qty Loc Code

FG	10	
114941	10	
ST351	21	
M126400	21	
ST352	50	
M128429	50	

AN4-12A Purchased No 110 Each 226.0000

**\*AN4-12A\***

DAS  
38  
9-89

Bolt

8 8  
1 1  
\*\*

DAS  
38  
9-89

Location Loc Qty Loc Code

FG	10	
120423	10	
ST344	216	
M126105	5	
M127817	1	
M128403	1	
M128739	16	
M129384	193	

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Work Order ID: 121878

**\*121878\***

Parent Item: D350-602-011

**\*D350-602-011\***

Parent Item Name: Heli-Utility-Pod™ (Fits LH or RH)

Start Date: 8/22/2014

Required Date: 8/22/2014

Start Qty: 1.00

Required Qty: 1.00

AN4-14A Purchased No 110 Each 681.0000 16 16  
**\*AN4-14A\*** DAS 38 9-89  
Bolt \*\*

Location	Loc Qty	Loc Code
FG	5	
122141	5	
ST344	676	
121349	4	
122141	4	
124221	32	
M127044	1	
M128769	500	
M129384	135	

AN4-16A Purchased No 110 Each 234.0000 4 4  
**\*AN4-16A\*** DAS 38 9-89  
Bolt \*\* NOV 05 2014

Location	Loc Qty	Loc Code
FG	5	
121541	5	
ST343	100	
M129590	100	
ST357	27	
M128324	19	
M128978	8	
ST515	102	
M128813	102	

# Picklist Print

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Work Order ID: 121878

Parent Item: D350-602-011

Parent Item Name: Heli-Utility-Pod™ (Fits LH or RH)

**\*121878\***

**\*D350-602-011\***

Start Date: 8/22/2014

Required Date: 8/22/2014

Start Qty: 1.00

Required Qty: 1.00

NAS1149D0363J

Purchased

No

110

Each

3,008.000

24 24

**\*NAS1149D0363J\***

DAS

38

Washer

9-89

\*\*

M120358

DAS

38

9-89

## Location

## Loc Qty

## Loc Code

GA

23

124392

23

ST510a

2985

m126319

6

m128429

2979

NAS1149D0463J

Purchased

No

110

Each

7,578.000

42 42

**\*NAS1149D0463J\***

DAS

38

WASHER

9-89

\*\*

DAS

38

9-89

## Location

## Loc Qty

## Loc Code

ST277

7578

121912

12

16941

8

M126221

20

M127813

22

M127904

915

M128591

101

M128995

1500

M129390

5000

MS21042L3

Purchased

No

110

Each

5,402.000

12 12

**\*MS21042L3\***

DAS

38-89

Nut

9-89

\*\*

DAS

38

9-89

## Location

## Loc Qty

## Loc Code

ST307

5402

123900

955

M126333

10

M127410

13

M127831

41

M128401

48

M128754

4335

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# Picklist Print

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Work Order ID: 121878

**\*121878\***

Parent Item: D350-602-011

**\*D350-602-011\***

Parent Item Name: Heli-Utility-Pod™ (Fits LH or RH)

Start Date: 8/22/2014

Required Date: 8/22/2014

Start Qty: 1.00

Required Qty: 1.00

MS21042L4

Purchased

No

110

Each

4,914.000

21

21

DAS

08

9-89

**\*MS21042L4\***

**\*\***

Locknut

DAS

38

9-89

Location

ST307

Loc Qty

4914

Loc Code

121444

12

m126015

12

m126275

32

m127255

71

m127376

11

m127813

971

m128300

80

~~m128798~~

2725

m129472

1000

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
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NOV 05 2014

## DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS D350-602 REV E (OR EARLIER REV.)  
AND INSTRUCTIONS FOR CONTINUOUS AIRWORTHINESS ICA-D350-602 REV. 0

REF. TCCA STC: SH93-97

REF. FAA STC: SR01144NY

REF. EASA STC: EASA.IM.R.S.01290

### PURPOSE

Dart Heli-Utility-Pods D350-602-011 @ CHG 006 and D350-602-013/-014 @ CHG 002 have new attachment lugs.

### CHANGE

The D2230-1/-3 clamps are replaced with wider D4091-1/D3910-3 lugs. The abrasion strip is replaced with D3984-030 rubber extrusion. The D2462-1700 Neoprene Seal is replaced with D2461-1700 Neoprene 'D' Seal. The modified parts list for Installation Instruction D350-602 and Instructions for Continued Airworthiness ICA-D350-602 is shown on sheet 2 of this service instruction. Install the lugs as shown in Figure 1 & 2 of this service instruction. The pod should otherwise be installed per D350-602 and maintained per ICA-D350-602.

The weight and balance for Dart Heli-Utility-Pods D350-602-011 @ CHG 006 and D350-602-013/-014 @ CHG 002 (or later) are updated as follows:

### **5.0 WEIGHT AND BALANCE (D350-602 Rev. E)**

### **25.6 WEIGHT AND BALANCE (ICA-D350-602 Rev. 0)**

The following weight and balance information is for the Dart *Heli-Utility-Pod™*. The weight and balance of any parts that are removed from the aircraft to perform this installation or equipment installed/stowed in the pods are the responsibility of the installer.

Installation	Weight	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
D350-602-011 @ CHG 006	61.2 lb	±51.0 in	±3121 in-lb	135 in	8262 in-lb
Heli-Utility-Pod™ LH or RH	27.8 kg	±1.29 m	±35.9 m-kG	3.43 m	95.4 m-kG
D350-602-013 @ CHG 002	61.2 lb	-51.0 in	-3121 in-lb	135 in	6872 in-lb
Heli-Utility-Pod™ LH	27.8 kg	-1.29 m	-35.9 m-kG	3.43 m	79.2 m-kG
D350-602-014 @ CHG 002	61.2 lb	+51.0 in	+3121 in-lb	135 in	6872 in-lb
Heli-Utility-Pod™ RH	27.8 kg	+1.29 m	+35.9 m-kG	3.43 m	79.2 m-kG

### LUG UPGRADE KIT

The Dart DSI-9515-011 kit is available to upgrade D350-602-XXX Heli-Utility-Pods made to earlier change numbers with D4091-1 / D3910-3 lugs. The lugs should be installed per Figure 1 & 2 of this service instruction.

QTY	Part Number	Description
-011		
X	DSI-9515-011	LUG UPGRADE KIT
4	D4091-1	LUG
4	D3910-3	LUG
8	D3984-030	RUBBER EXTRUSION
16	AN4-14A	BOLT
32	AN960JD416	WASHER (OR NAS1149DO463J)
16	MS21042L4	NUT (OR MS21042-4)

CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01

**APPROVED**

BY: D. SHEPHERD (DE # 02)

DATE: 10.04.23

CERT. NO.: SH93-97

ISSUE NO.: 4

B	NAS1149DO463J WAS xDN432J & CHG QTY	CP	10.04.23
A	NEW ISSUE	CP	10.03.30
REV.	DESCRIPTION	BY	DATE
DESIGN	<u>90</u>	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	<u>90</u>		
CHECKED	<u>5</u>	DRAWING NO.	REV. B
MFG. APPR.	<u>N/A</u>	DSI 9515	SHEET 1 OF 4
APPROVED	<u>MD</u>	TITLE	SCALE
DE APPR.	<u>#</u>	LUG MODIFICATION	NTS
DATE	<u>10.04.23</u>	COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

## 6.0 PARTS LIST

Qty D350-602 -011	Qty D350-602 -013	Qty D350-602 -014	Qty DSI9052 -013	Part Number	Description
X	X			D350-602-011	HELI-UTILITY-POD™ (FITS BOTH LH/ RH)
				D350-602-013	HELI-UTILITY-POD™, LH
		X		D350-602-014	HELI-UTILITY-POD™, RH
			X	DSI9052-013	QUICK RELEASE KIT
1	1			D2694	POD ASSEMBLY (LH OR RH)
	1			D3322-041	POD ASSEMBLY (LH)
		1		D3322-042	POD ASSEMBLY (RH)
1	1	1		*D2202-1	POD LID
1				*D2202-3	POD BASE
	1	1		*D2202-5	POD BASE
5	5	5		*D2204-9	LATCH
1	1	1		*D2429-041	SPRING CLIP ASSEMBLY
1	1	1		*D2462-1700	NEOPRENE SEAL
5	5	5		*D2528-1	BACKER PLATE
4	4	4		*D2528-3	BACKER PLATE
1	1	1		*D2569	HINGE
1	1	1		*D3007-041	PROP ASSEMBLY
1	1	1		** D2012-107	CLEVIS
2	2	2		** D2022-101	SPACER
1	1	1		** D2705	SUPPORT BRACKET
1	1	1		** D3007-1	STRUT
1	1	1		** D3015-3	LOCKNUT
1	1	1		** AN4-10A	BOLT
1	1	1		** AN960JD416	WASHER
1	1	1		** MS21042L4	NUT (OR MS21042-4)
1	1	1		** SL69-BS	BALL STUD
1	1	1		** AN960JD516	WASHER
19	19	19		AN4-5A	BOLT
1	1	1		AN4-6A	BOLT
2	2	2		AN526C632R7	SCREW
21	21	21		AN960JD416	WASHER
2	2	2		AN960JD6	WASHER
2	2	2		MS21042L06	NUT (OR MS21042-06)
20	20	20		MS21042L4	NUT (OR MS21042-4)
4	4	4		D2230-1	CLAMP
4	4	4		D2230-3	CLAMP
1	1	1		D2258-160	LABEL
1	1	1		D2324-1	STRUT ASSEMBLY
2	2	2		D2523	MOUNTING BRACKET
2	2	2		D2524	SIDE PLATE
4	4	4		D2856-400-720	ABRASION STRIP
1	1	1		D3495-1	PLACARD
4	4	4		AN3-7A	BOLT
8	8	8		AN3-15A	BOLT
1	1	1		AN4-12A	BOLT
8	8	8		AN4-13A	BOLT
4	4	4		AN4-16A	BOLT
24	24	24		AN960JD10	WASHER
26	26	26		AN960JD416	WASHER
12	12	12		MS21042L3	NUT (OR MS21042-3)
13	13	13		MS21042L4	NUT (OR MS21042-4)
			1	BLRS-010	QUICK RELEASE PIN (1" GRIP)
			3	BLRS-020	QUICK RELEASE PIN (1.5" GRIP)

\* INCLUDED IN D2694 OR D3322-041/-042 POD ASSEMBLIES LISTED ABOVE

\*\* INCLUDED IN D3007-041 PROP ASSEMBLY LISTED ABOVE

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Revision: E

Date: 06.01.23

# Work Order ID 121878

Thursday, July 03, 2014 7:40:16 AM

**\*121878\***

Page 1

Item ID: D350-602-011

Accept

**\*N900040100\***

Setup Start **\*NS1\***

Revision ID:

Stop **\*NS2\***

Item Name: Heli-Utility-Pod™ (Fits LH or RH)

Start Date: 8/22/2014 Start Qty: 1.00

**\*1\***

Cust Item ID:

Required Date: 8/22/2014 Req'd Qty: 1.00

**\*1\***

Customer:

Reference:

Approvals: Process Plan: CL

Date: 14/07/12 Tooling:

Date:

Run Start **\*NR1\***

QC: \_\_\_\_\_

Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_

Date:

Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
DSI 9515	B								
100	Document Control	0.00							
<b>*100*</b>	DOCUMENT CONTROL								
DC	Memo	0.00							
Doc.Control -USB or Paperwork	Photocopy bluefile & type labels per PPP	D350-602-011	CHG006						
110	Pick Kit	0.00							
<b>*110*</b>									
Packaging	Memo	0.00							
*Packaging									
120	QC4- 100% Inspect kits for completeness	0.00							
<b>*120*</b>									
QC	Memo	0.00							
Quality Control									

DAS  
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8-28

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